

# PS15k C-SJ17-18

## Solar Submersible Pump System for 6" wells

### System Overview

Head	max. 140 m
Flow rate	max. 22 m³/h

### Technical Data

#### Controller PS15k

- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)

Power	max. 14 kW
Input voltage	max. 800 V
Optimum Vmp*	> 575 V
Motor current	max. 20 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP41

#### Motor AC DRIVE SUB 6" 11kW

- Highly efficient 3-phase AC motor
- Frequency max. 50 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Efficiency	max. 92 %
Motor speed	1.150...2.850 rpm
Power factor	0,87
Insulation class	F
Enclosure class	IP68
Submersion	max. 300 m

#### Pump End PE C-SJ17-18

- Non-return valve
- Premium materials, stainless steel: AISI 304

#### Pump Unit PU C-SJ17-18 (Motor, Pump End)

Borehole diameter	min. 6,0 in
Water temperature	max. 30 °C

### Standards



2006/42/EC, 2004/108/EC, 2006/95/EC

IEC/EN 61702:1995,  
IEC/EN 62253 Ed.1

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.

\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature



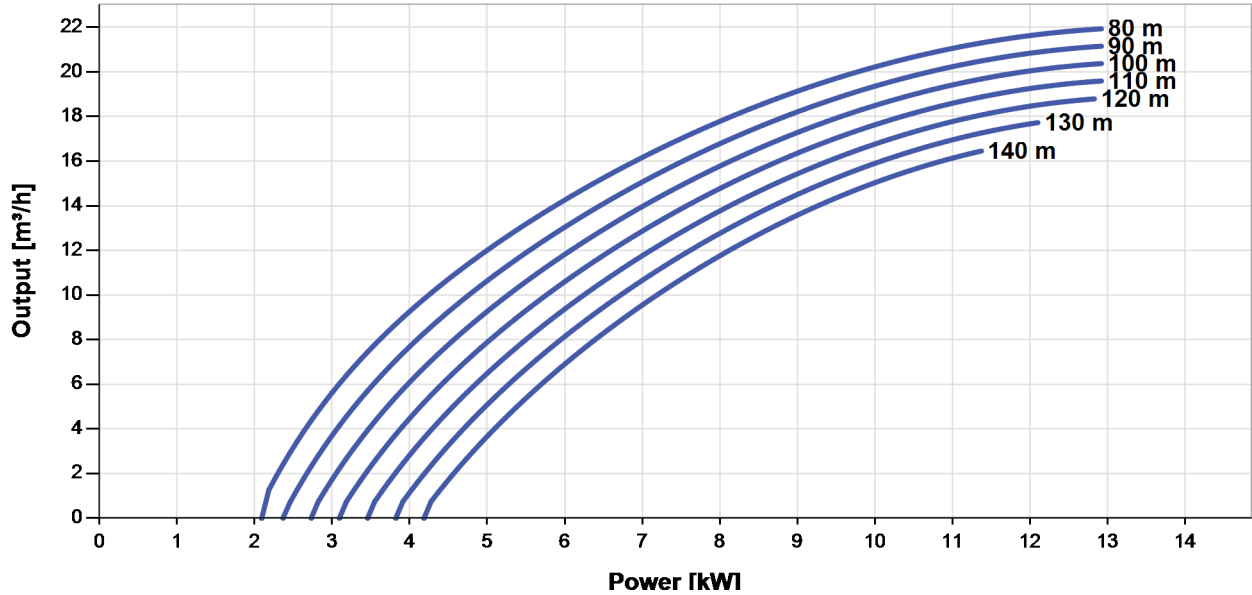
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### Pump Chart

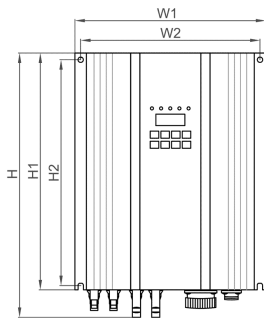
Vmp\* > 575 V



### Dimensions and Weights

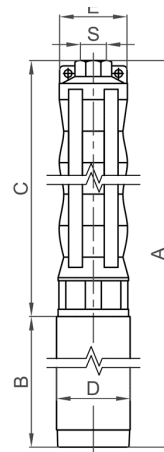
#### Controller

- H = 350 mm
- H1 = 310 mm
- H2 = 295 mm
- W1 = 250 mm
- W2 = 235 mm
- D1 = 200 mm
- D2 = 167 mm



#### Pump Unit

- A = 2.083 mm
- B = 711 mm
- C = 1.372 mm
- D = 144 mm
- E = 133 mm
- S = 2,5 in



	Net weight
Controller	9,0 kg
Pump Unit	87 kg
Motor	58 kg
Pump End	29 kg

\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

**Sun. Water. Life.**